

**Abstract**

A hand-held processing device, such as a mobile telephone, a personal digital assistant (PDA), or a portable computer, includes a physically or electronically adjustable camera and is operative to 5 track a specified object of interest. Relative movement between the hand-held device and the object of interest is detected using an orientation determination device such as a gyroscope, an image-based tracking operation, or a hybrid combination of orientation determination and image-based tracking. A setting of the camera is then 10 adjusted so as to maintain a desired framing of the object of interest within an image generated by the camera.